

BOROUGH OF WALLSEND.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

Thomas Wilson M.R.C.S. Eng. & L.

FOR THE

YEAR ENDING 1902.

WALLSEND-ON-TYNE :

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ANNUAL REPORT,

. . 1902. . .

TO THE MAYOR AND CORPORATION OF WALLSEND.

GENTLEMEN,

I beg to submit to you my Annual Report for the year 1902.

Locality.	Area in Acres.	Inhabited Houses 1902	Population, 1902.	Estimated Popu- lation to the middle of year 1902.
Wallsend Urban	1,202	4,866	20,932	21,500

BIRTHS.

The number of births registered to the 31st of December, 1902, was 856 (459 boys and 397 girls), giving a birth rate of 39·8 per thousand. Last year it was 39·5 per thousand.

DEATHS.

For the same period 360 deaths are returned, including 3 out of the district; deducting these would give a death rate of 16·6 per thousand. Excess of births over deaths, 496.

DEATH RATE OF PREVIOUS YEARS:

1898	1899	1900	1901
15.5	17.05	13.8	17.04

AGES :—119 were under 1 year.

56 between 1 and 5 years.

21	„	5	„	15	„
19	„	15	„	25	„
103	„	25	„	65	„
42 above 65 years.					

INFANTILE MORTALITY.

The rate per thousand births registered this year amounts to 139.01, which is much about the same rate as last year. There were sixteen premature births this year as compared with nine last year. Seven deaths are recorded from Tubercular Diseases, which is a great improvement on past years.

NOTIFICATION OF INFECTIOUS DISEASES.

			1902		1901
Scarlet Fever	-	-	379	-	183
Diphtheria	-	-	21	-	12
Enteric Fever	-	-	11	-	16
Puerperal Fever	-	-	1	-	2
Erysipelas	-	-	26	-	21
Continued Fever	-	-	Nil	-	Nil
Typhus Fever	-	-	12	-	0
Small Pox	-	-	1	-	—
Chicken Pox	-	-	43	-	—
			494	234	

DEATHS FROM INFECTIOUS DISEASES.

			1902		1901
Scarlet Fever	-	-	13	-	6
Diphtheria	-	-	3	-	2
Enteric Fever	-	-	3	(including 1 out of the district.)	1

Puerperal	-	-	Nil	-	1
Erysipelas	-	-	Nil	-	2
Whooping Cough	-	-	12	-	3
Measles	-	-	9	-	10
					<hr/>
					40
					<hr/>
					25

CASES ADMITTED TO HOSPITAL.

Scarlet Fever	-	-	-	-	-	117
Enteric Fever	-	-	-	,	-	4
Diphtheria	-	-	-	-	-	6
Diphtheria	-	-	-	-	-	6
Typhus Fever	-	-	-	-	-	12

Table showing all cases of Scarlet Fever in each District.

Month of Year.	Under 1	1 to 5.	5 to 15.	15 to 25	25 to 65	About 65.	TOTAL
January ...	0	6	5	3	1		14
February ..	0	15	15	1	--		31
March ...	0	10	19	1	1		31
April ...	0	10	21	2	—		33
May ...	1	17	26	5	5		54
June ...	1	7	7	--	—	—	15
July ...	0	5	5	2	—		12
August...	1	16	22	1	—		40
September ...	0	18	23	2	1		44
October ...	0	23	26	7	4		60
November ..	1	7	14	1	2		25
December ...	0	6	10	2	1		19
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	4	131	193	27	15	—	378

NOTIFICATION OF INFECTIOUS DISEASES.

We have 494 cases this year, as compared with 234 reported last year. Scarlet Fever is very greatly responsible for this increase. Whereas there were 183 cases reported last year, this year's returns shew 379 cases, being more than double the number of last year. The number of deaths from Scarlet fever amount to 13, as compared with 6 last year.

It seems to me that our method of sewerage removal may have something to do with this continued increase of scarlet fever, and I would offer the suggestion that galvanised iron pails be adopted for all the closets. The structure, as it at present exists, does not allow of a thorough cleaning out, and consequently there is always some filth left inside, which adheres to the rough brick lining. It would, in my opinion, render the air much purer in the vicinity of the closets, (and lessen the complaints, which are frequent in the hot weather, about the obnoxious smells in the neighbourhood) were the pail system adopted. In failure of the adoption of this plan, I would suggest a daily cleansing of all closets.

Cow Byres.—They have been attended to.

Water Supply.—This has been very good all the year.

Factory and Workshops.

In connection with the Sanitary Inspector, we went round the district and found everything in a satisfactory condition.

Scavenging has been very well done.

Deaths from Zymotic Diseases for 1902.

	North- b'land.	Wall- send.	Hadrian.	Buddle.	Holy Cross.	Carville.	
Scarlet Fever ...	1	2	2	1	7	..	13
Enteric Fever ..	..	1	..	..	2	..	3
Measles ..	1	2	..	..	5	1	9
Consumption ..	6	2	1	1	10	5	25

**Births for each quarter, and Deaths at all ages in the
separate Wards.**

BIRTHS.				DEATHS IN EACH DISTRICT FOR THE QUARTER.						
	Boys.	Girls	Total.	North- b'land.	Buddle	Car- ville.	Holy Cross.	Had- rlan.	Wall- send.	Total.
January .	42	45	87	7	6	4	5	2	9	33
February ...	23	26	49	3	3	7	4	2	7	26
March ..	42	34	76	7	5	5	8	7	4	36
	107	105	212	17	14	16	17	11	20	95
April ...	39	37	76	2	4	3	8	6	3	26
May ...	36	26	62	9	1	6	4	2	14	36
June ..	30	25	55	2	2	5	7	2	3	21
	105	88	193	13	7	14	19	10	20	83
July ...	46	35	81	1	7	1	9	1	—	19
August ...	43	36	79	3	3	1	6	3	4	20
September	36	43	78	6	—	6	8	7	4	31
	125	114	239	10	10	8	23	11	8	70
October ...	38	29	67	7	4	7	11	4	8	41
November	47	31	78	6	9	5	4	3	8	35
December	37	30	67	6	0	10	8	6	6	36
	122	90	212	19	13	22	23	13	22	112

ZYMOTIC DEATH RATE.

This year it is 1.8 per thousand, as compared with 1.1 last year.

PHTHISIS AND OTHER DISEASES.

There were 25 cases this year, as against 33 last year, giving a death rate of 1.1 per thousand. Heart Disease 25, as against 24 last year. Pneumonia and Bronchitis 65, as against 50; Injuries 10, as against 20 last year.

Advice given and action taken during the year.

In July I visited a house which contained four cases of Typhus Fever. I found the house in a very dirty condition, and ordered the cases to be removed at once, the house thoroughly disinfected, and some old bedding destroyed. There has been twelve cases altogether, all traceable to the one house, which contained a lodger, who left, and, together with the relations, went to live elsewhere. This proves that the present system of isolation leaves much to be desired, for, to be efficient, isolation should be the same, be it for the highest or the very lowest in the land.

A case of smallpox arose, and it also proved the value of isolation. A young man, unvaccinated, was attacked in a house in which there were lodgers. The case was removed to Hospital, the remainder of the inmates were all vaccinated, and the house well disinfected. Quarantine was insisted upon, and a man employed to watch over the inmates. The Corporation supplied them with food. These efforts were successful as no other case arose.

Owing to the prevalence of Scarlet Fever I got my Committee to post some bills, and also to give copies to the teachers at the various schools for distribution amongst the scholars, containing some advice on the prevention of the disease, and also warning parents that they were liable to be fined for permitting children to be outside when in the "peeling-stage" of the disease.

The Small-pox Hospital is now complete.

SANITARY INSPECTOR'S REPORT

For Year ending December 31st, 1902.

To the Chairman and Members of the Sanitary Committee.

Gentlemen,

During the year the following Notices have been served, (and complied with), viz:—

For Choked Drains	-	-	56
For Wet Ashpits	-	-	14
For Wet Closets	-	-	60
For Lime Washing	-	-	48
For Repairs to Closet Doors	-		20
Repairs to Yard Surfaces	-		4

Total	-	-	202
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New Drains inspected and passed	344
Ashpits converted into Closets	- 28
Ashpits still remaining in the Borough	417
New Closets where none existed	- 1
6 inch Surface Drains about	- 1000 yards.

Our ashpits and closets have been cleared and disinfected once a week during the year. Only one or two complaints were made, which, when investigated were found to be owing to strange cartmen being at work on that part for the week. Over 11,000 tons of refuse has been removed, of which over 10,000 tons has been sent to sea, the remainder being put on agricultural land.

We were very fortunate in not having more than one case of Small-pox during the year, the patient being

removed to the Floating Hospital at Jarrow Slake. Now, of course, we have our own Small-pox Hospital where we can isolate up to 16 cases, that being the number of beds for which the Hospital is constructed.

During the whole of the year we had a serious epidemic of Scarlet Fever, which created a large amount of work removing, disinfecting, etc., which is now to a large extent abated. We also had an outbreak of Typhus, which we were fortunate in being able to confine to four families who came in contact with the the first cases.

The Medical Officer and myself have from time to time visited parts of the borough, and any orders given have been carried out by both owners and tenants, such as disinfecting, lime-washing, etc.

We have also made a large number of special visits to the workshops of the borough, under the Factory Act, (1901) and found them fairly satisfactory.

Slaughter Houses, Fish Shops, Cow Byres, Dairies and Milk Shops have been very regularly visited during the year, and found in very good condition.

Gentlemen, I can only say that owing to the large increase in houses and population, the work is also on the increase; but if the inhabitants of the borough would only help in the work of the Sanitary Committee and its officials, I have no hesitation in saying that Wallsend could be made and kept one of the healthiest boroughs in the north of England.

I am,

Your obedient servant,

JOHN CAMPBELL,

Sanitary Inspector.

TABLE I.
Vital Statistics of Whole District of Wallsend-on-Tyne during 1902 and Previous Years.

Year	Population estimated to Middle of each Year	Births		Total Deaths Registered in the District				Total Deaths in Public Institutions in the District	Deaths of Non-residents in Public Institutions in the District	Deaths of Residents registered beyond the District	Nett Deaths at all ages belonging to the District	
				Under 1 year		At all Ages					Number	Rate.*
		Number	Rate.*	Number	Rate per 1000 Births registered	Number	Rate*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1892	12,000	443	33.9	43	97.03	189	15.7					
1893	12,000	419	34.9	63	150.03	190	15.3					
1894	13,000	399	30.9	48	120.3	131	13.9					
1895	14,000	424	30.2	60	141.5	218	15.5					
1896	15,000	472	31.46	57	120.3	185	12.7		6		179	11.8
1897	16,000	524	32.7	75	124.12	202	11.8		3		199	12.4
1898	17,000	582	34.2	118	202.7	292	17.1		12		290	16.4
1899	18,000	693	38.5	133	193.36	353	19.3		5		355	19.7
1900	20,000	748	35.6	97	129.6	303	15.1		12		291	14.5
1901	21,000	830	39.5	142	139.5	318	17.04		3		345	16.4
Averages for years. 1891-1900	15,800	51.8	34.48	83.9	141.55	246.6	15.44					
1902	21,500	856	39.8	119	139.01	350	16.7	9	3		357	16.6

* Rates in Columns 4, 8, and 13 calculated per 1000 of estimated population
Area of District in acres (exclusive of area covered by water), 1202.

Total population of all ages	..	..	20,647	
Number of inhabited houses	..	..	4,141	At Census of 1901.
Average number of persons per house	..	..	5	

TABLE II.

Vital Statistics of Separate Localities in 1902 and Previous Years.

Names of Localities.		WHOLE DISTRICT.				CARVILLE.				BUDDLE.			
Year.		Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
1892		12,000	443	189	43								
1893		12,000	419	190	63								
1894		13,000	399	181	48								
1895		14,000	424	218	60								
1896		15,000	472	185	57								
1897		16,000	524	202	75								
1898		17,000	582	292	118								
1899		18,000	693	358	136								
1900		20,000	748	303	97								
1901		21,000	830	348	142	2726	150	68	22	3644	140	42	18
Averages of years 1892 to 1901		15.800	553.4	246.6	83.9								
1902		21,500	856	360	119	3215	112	55	23	3884	170	44	17

TABLE II.—Continued.

HADRIAN				HOLY CROSS				WALLSEND				NORTHUMBERLAND			
Population esti- mated to middle of each year	Births registered	Deaths at all Ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all Ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all Ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all Ages	Deaths under 1 year
2365	86	38	16	5773	236	89	40	3650	114	63	28	2642	104	48	16
2365	93	47	14	7570	246	69	28	3790	118	71	20	3100	117	74	17

TABLE III

Cases of Infectious Disease notified in Wallsend-on-Tyne during the Year 1902.

Notifiable Disease.	Cases Notified in whole District.						Total Cases Notified in each Locality.						No. of Cases removed to Hospital from each Locality.					
	At all Ages.	At Ages—Years.					Carville.	Holy Cross.	Buddle.	Hadrian.	Wallsend.	Northum-berland.	Carville.	Holy Cross.	Buddle.	Hadrian.	Wallsend.	Northum-berland.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.													65 and upwards.
Small-pox ..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria ..	21	..	7	10	2	2	14	2	1	1	2	2	4	..	..	..	2	..
Membranous Croup ..	26	..	2	2	4	18	7	2	2	9	2	29	2	32	2	8	24	13
Erysipelas ..	379	54	139	193	27	15	127	78	4	87	26	23	44	..	5	1	5	1
Scarlet Fever ..	12	..	..	2	3	7	..	3	..	4	3	2	..	..	..	..	3	..
Typhus Fever ..	11	..	..	3	2	6	1	..	..	2	1	4	..	..	..	..	1	..
Enteric Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Relapsing Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever ..	1	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Plague ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chicken-pox ..	43	2	23	18	..	..	19	1	..	3	10	..	..	..	..	..	..	..
Totals ..	424	56	171	239	38	49	168	87	43	39	113	44	26	48	8	9	34	14

ISOLATION HOSPITALS :—Wallsend, Willington Quay, and Howdon.

TABLE

Causes of, and Ages at, Death in

Causes of Death.	Deaths in or belonging to whole District at subjoined Ages.						
	All Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
Small-pox	9	4	4	1	..	..	..
Measles	13	..	7	4	1	1	..
Scarlet Fever	12	5	7	..	..	..	..
Whooping-cough	3	..	2	1	..	..	..
Diphtheria and Membranous Croup .. ..	..	..	..	..	..	..	..
Croup .. ..	..	..	..	..	..	..	..
Typhus	3	..	..	..	2	1	..
Fever Enteric .. ..	..	..	..	..	..	..	..
Other Continued	3	..	..	2	..	1	..
Epidemic Influenza .. ..	..	..	..	..	..	..	..
Cholera .. ..	..	..	..	..	..	..	..
Plague	7	4	3	..	..	..	..
Diarrhœa	2	1	1	..	..	..	..
Enteritis .. ..	..	..	..	..	..	..	..
Puerperal Fever .. ..	..	..	..	..	..	..	..
Erysipelas .. ..	..	..	..	..	..	..	..
Other Septic Diseases	25	2	1	2	5	15	..
Phthisis	19	7	5	2	3	2	..
Other Tubercular Diseases	11	..	..	..	..	8	3
Cancer, Malignant Disease	27	10	6	1	..	4	6
Bronchitis	38	12	7	1	2	14	2
Pneumonia .. ..	..	..	..	..	..	..	..
Pleurisy .. ..	..	..	..	..	..	..	..
Other Diseases of Respiratory Organs	2	2	..	..	..	..	..
Alcoholism .. ..	..	..	..	..	..	..	..
Cirrhosis of Liver	1	..	..	..	..	1	..
Venereal Diseases	16	16	..	..	..	..	..
Premature Birth	2	..	..	..	2	..	..
Diseases and Accidents of Parturition	25	..	..	..	1	19	5
Heart Diseases	10	1	1	1	..	6	1
Accidents	4	..	..	..	..	3	1
Suicides	128	57	9	6	3	28	24
All other causes .. ..	..	..	..	..	..	..	..
All causes	360	119	56	21	10	103	42

IV.

Wallesnd=on=Tyne during Year 1902.

Deaths in or belonging to Localities (at all Ages).							Total Deaths in Public Institutions in the District.
Car-ville.	Walls-end.	Had-rian.	Holy Cross.	Buddle.	Northum-berland.	Total.	

1	..	2	4	..	2	9	..
2	1	1	4	3	2	13	7
..	..	..	..	..	..	12	..
1	..	..	2	..	..	3	..
..
..
..	..	..	1	1	1	3	2
..
..	..	..	1	1	1	3	..
..
..
3	..	..	..	..	1	7	..
..	..	..	1	..	..	2	..
..
..
..
4	1	3	10	3	4	25	..
4	1	4	2	2	6	19	..
2	..	5	2	2	..	11	..
6	1	5	6	3	6	27	..
5	4	10	8	5	6	38	..
..
1	..	..	..	1	..	2	..
..
..	..	..	1	..	..	1	..
2	3	2	6	2	1	16	..
..
..	1	..	1	..	..	2	..
7	6	6	4	3	4	25	..
1	2	2	..	5	..	10	..
..	..	..	2	2	..	4	..
19	24	18	25	14	28	128	..
60	43	53	82	50	67	360	9

